

INTERNATIONAL SEARCH REPORT

Rec'd PCT/PTO 28 FEB 2005

International Application No

PCT/03/01284

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A61K35/78 A61P35/04 A61K38/56

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61K A61P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data, EMBASE, BIOSIS, SCISEARCH, PASCAL, PAJ, WPI Data, COMPENDEX

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 02/11745 A (KIM MIN YOUNG ; ANGIOLAB INC (KR); MOON CHANG HEE (KR); PARK EUN KYU () 14 February 2002 (2002-02-14) claims 1-7; example 1	1-24
X	WO 00/62789 A (PHARMASCIENCE LAB ; PAUL FRANCOIS (FR); MSIKA PHILIPPE (FR); PICCIRILL) 26 October 2000 (2000-10-26) page 1, line 4 - line 14 examples I-V	1-24

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☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

14 January 2004

Date of mailing of the international search report

30/01/2004

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INTERNATIONAL SEARCH REPORT

International Publication No

PCT/C 8/01284

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>DATABASE CHEMABS 'Online! CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; 31 July 1996 (1996-07-31), KUMAGAI, KAZUO ET AL: "Flavones or anthocyanins as matrix metalloprotease inhibitors and their extraction from medicinal plants for therapeutic use" XP002266822 retrieved from STN Database accession no. 125:67741 cited in the application abstract & JP 08 104628 A2 (SUMITOMO PHARMA, JAPAN) 23 April 1996 (1996-04-23)</p>	1-24
X	<p>PAPER D H: "NATURAL PRODUCTS AS ANGIOGENESIS INHIBITORS" PLANTA MEDICA, THIEME, STUTTGART, DE, vol. 64, no. 8, December 1998 (1998-12), - December 1998 (1998-12) pages 686-695, XP001023843 ISSN: 0032-0943 *p . 688-691, in particular Castanospermine, Colchicine, taxol, vinblastine, vincristine, Fisetin, Ginsenosides, Isoliquiritin, Magnosalin * table 1</p>	1-24
X	<p>LEE, K.-K. ET AL: "Inhibitory effects of 150 plant extracts on elastase activity, and their anti-inflammatory effects." INTERNATIONAL JOURNAL OF COSMETIC SCIENCE, (APRIL, 1999) VOL. 21, NO. 2, PP. 71-82. PRINT. CODEN: IJCMDW. ISSN: 0142-5463., 1999, XP002266821 *p. 73 Assay for elastase activity *tables II-IV</p>	1-9,12, 20-24
P,X	<p>WO 03/035092 A (KIM KYOUNG-MI ; KIM MIN-YOUNG (KR); ANGIOLAB INC (KR); MOON CHANG-HEE) 1 May 2003 (2003-05-01) * p. 16, Example 1-p. 24, Preparation example 6 * * in particular Experimental Example 3 * page 9, line 12 - line 17; claims 1-15; table 4 page 8, line 7 - line 11</p>	1-24

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INTERNATIONAL SEARCH REPORT

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PCT/C/01284

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,X	<p>DATABASE CHEMABS 'Online! CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; 7 August 2003 (2003-08-07), INOMATA, SHINJI ET AL: "MMP inhibitors and skin preparations containing plant (extracts)" XP002266823 retrieved from STN Database accession no. 139:106121 abstract & JP 2003 201212 A2 (SHISEIDO CO., LTD., JAPAN) 18 July 2003 (2003-07-18) -----</p>	1-9, 12, 20-24

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International application No.
PCT/CA 03/01284

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. ☒ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
see FURTHER INFORMATION sheet PCT/ISA/210

3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box I.2

Present claims 1-24 relate to an extremely large number of possible extracts, uses and processes. Basically, any extract obtained from any plant by any type of extraction process that inhibits extracellular protease and has some effect on the migration of endothelial and/or neoplastic cells, irrespective of the fact of the effect has been explicitly disclosed or not (e.g. those disclosed on p. 3, l. 10-23 of the present description), is novelty destroying for independent product claims 1, 4, 9 and 24. The same holds for process claims 20 and 22. The discovery of one or more functional effects cannot confer novelty to a product per se.

A meaningful search over the whole of the claimed scope is impossible, because the independent claims do not contain much limiting technical features. Consequently, the search has been limited to the general broad idea underlying the present invention, namely plant extracts for which the inhibition of extracellular protease and hence some effect on the migration of endothelial and/or neoplastic cells have already been disclosed.

The applicant's attention is drawn to the fact that claims relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure. If the application proceeds into the regional phase before the EPO, the applicant is reminded that a search may be carried out during examination before the EPO (see EPO Guideline C-VI, 8.5), should the problems which led to the Article 17(2) declaration be overcome.

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0211745	A	14-02-2002	KR 2002011748 A KR 2002071674 A AU 7778601 A WO 0211745 A1	09-02-2002 13-09-2002 18-02-2002 14-02-2002
WO 0062789	A	26-10-2000	FR 2792202 A1 EP 1171143 A1 WO 0062789 A1 JP 2002542199 T	20-10-2000 16-01-2002 26-10-2000 10-12-2002
JP 8104628	A2	23-04-1996	JP 8104628 A	23-04-1996
WO 03035092	A	01-05-2003	WO 03035092 A1 KR 2003035912 A	01-05-2003 09-05-2003
JP 2003201212	A2	18-07-2003	JP 2003201212 A	18-07-2003